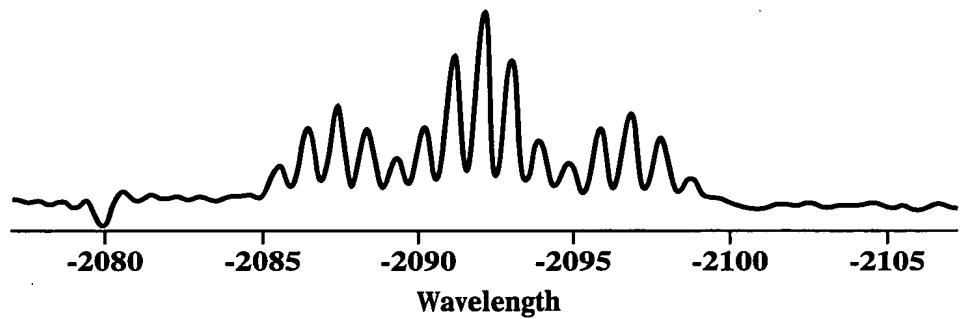
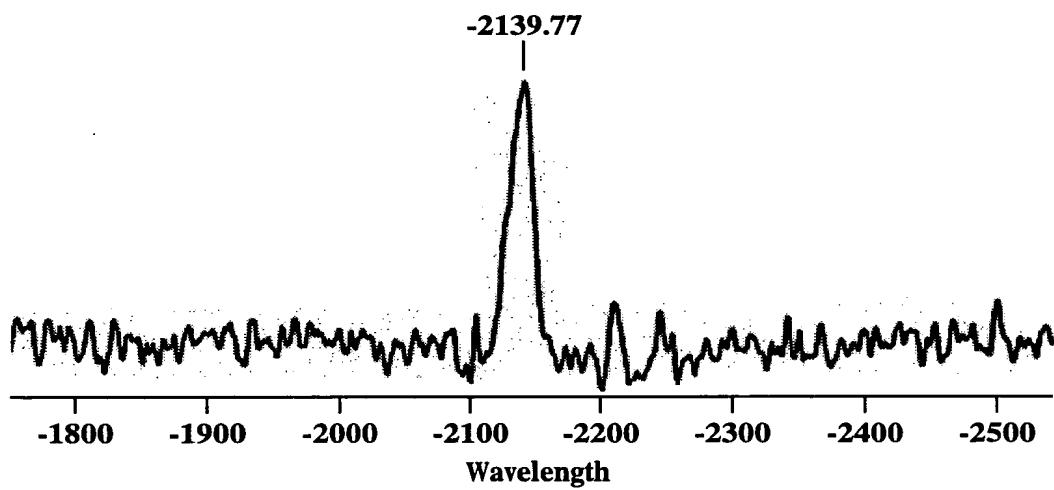


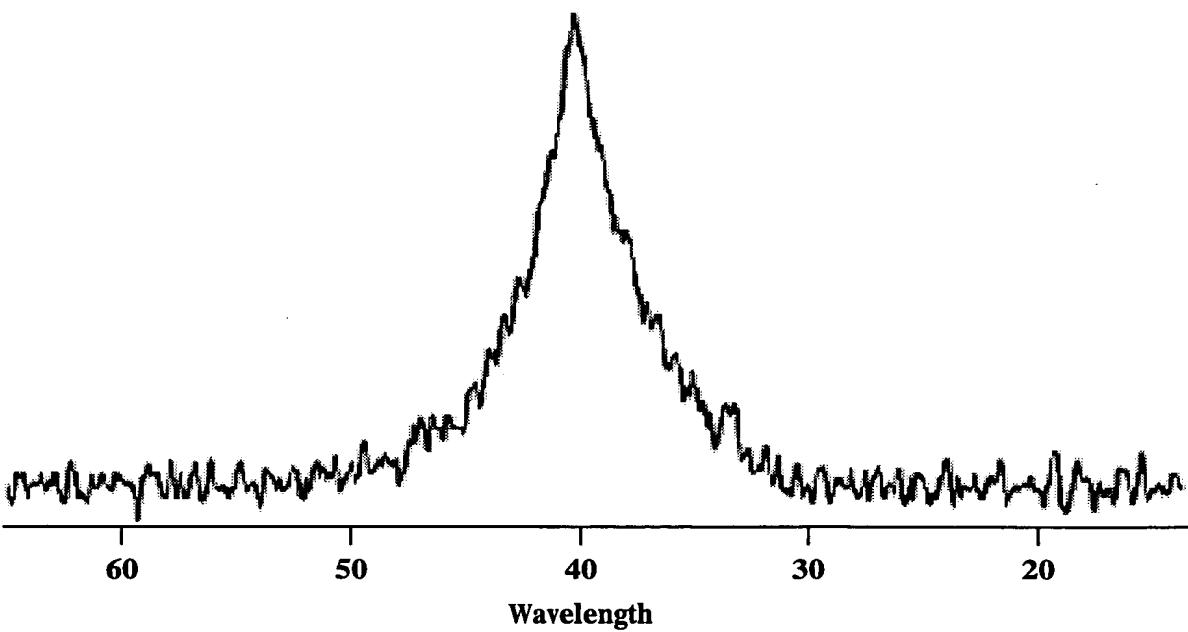
**Fig. 1A**



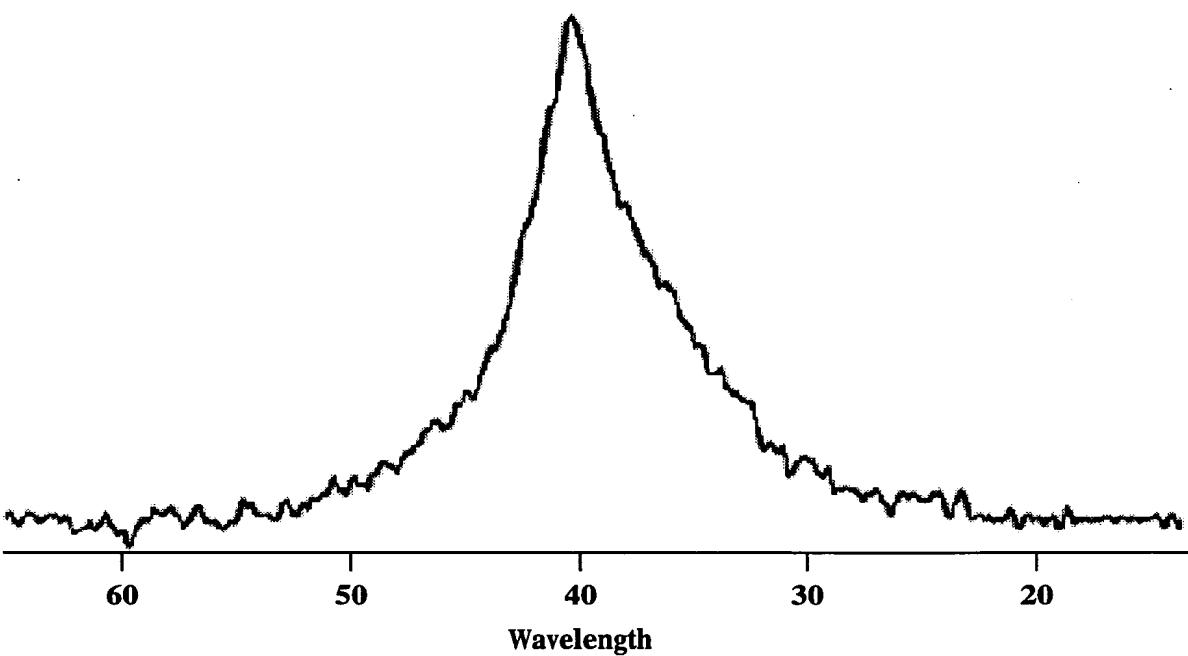
**Fig. 1B**



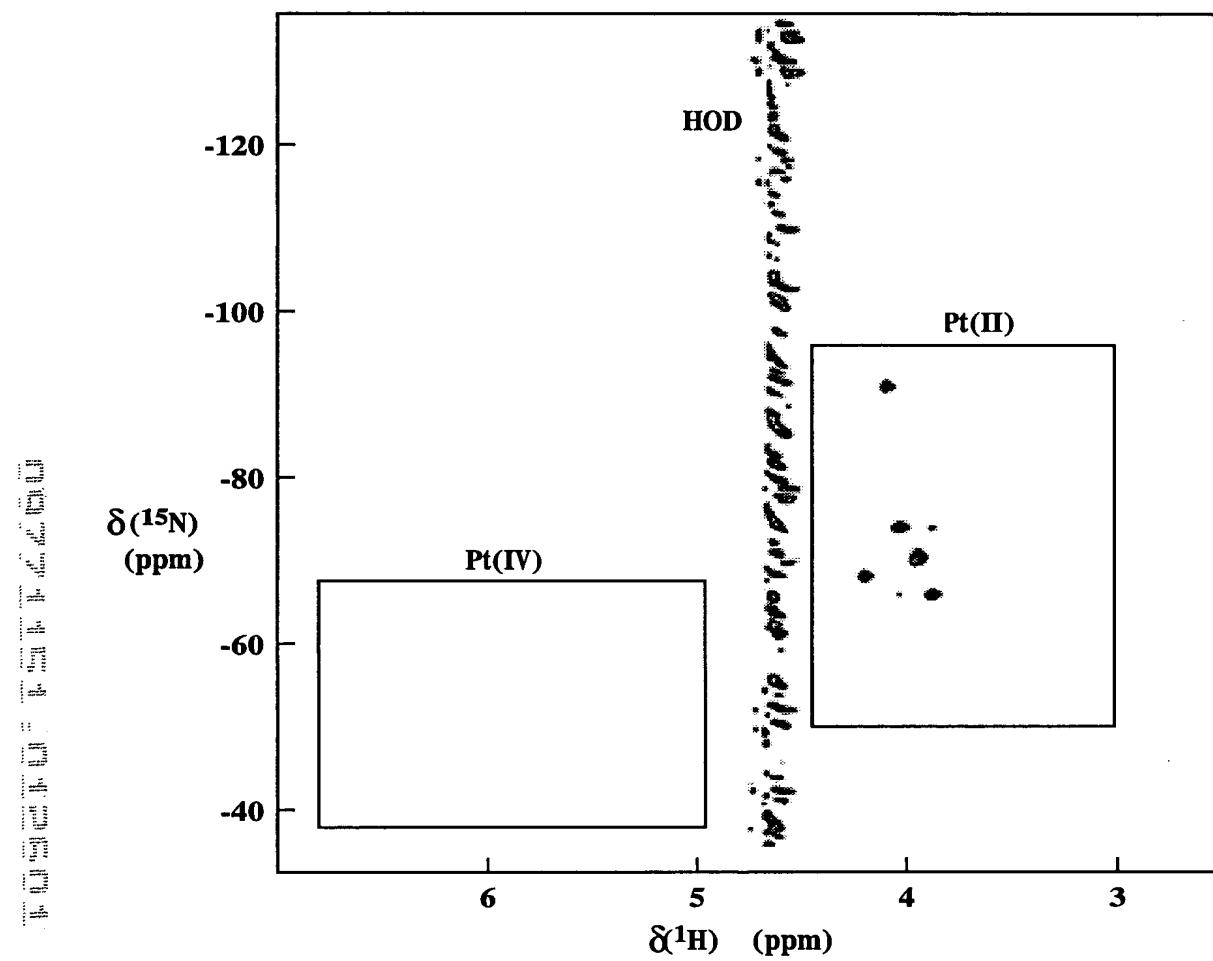
**Fig. 2**



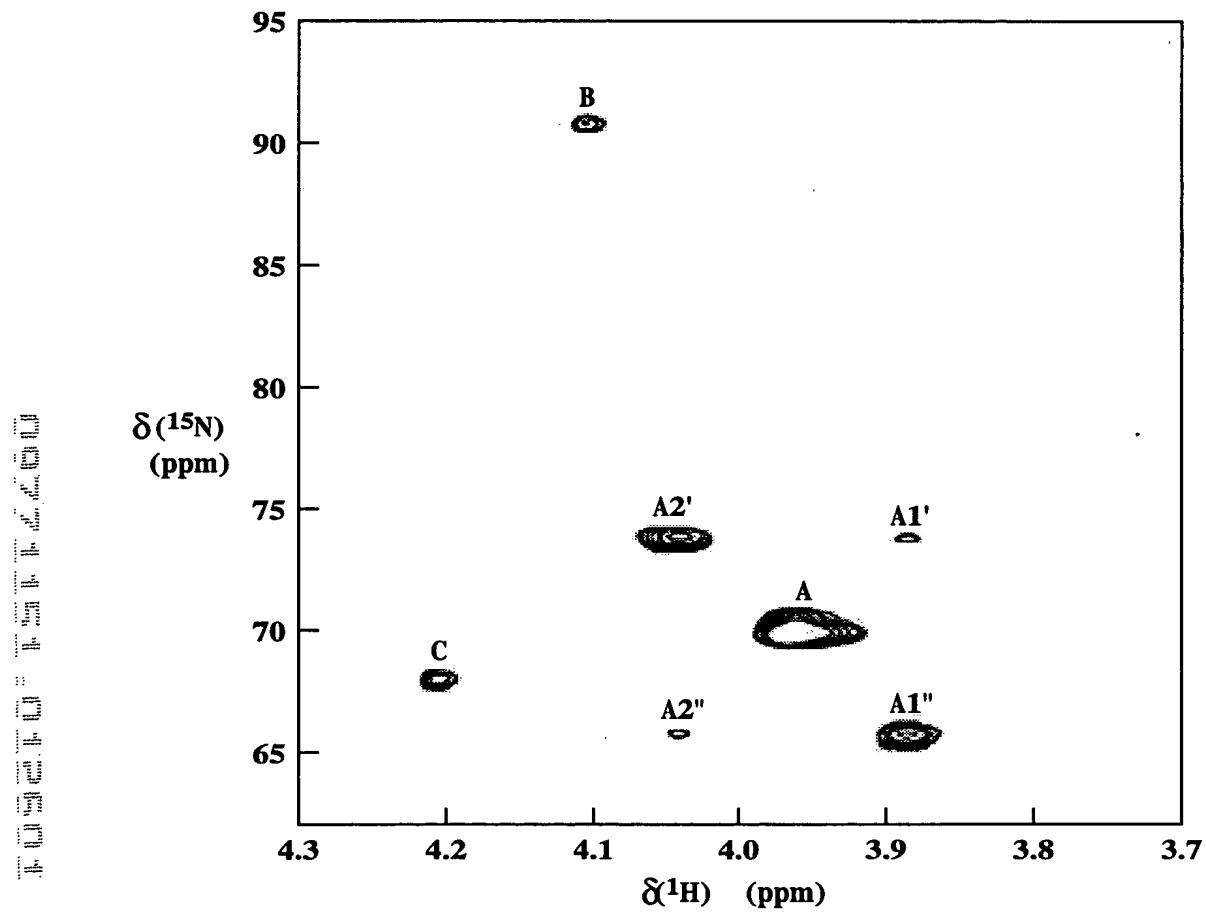
**Fig. 3A**



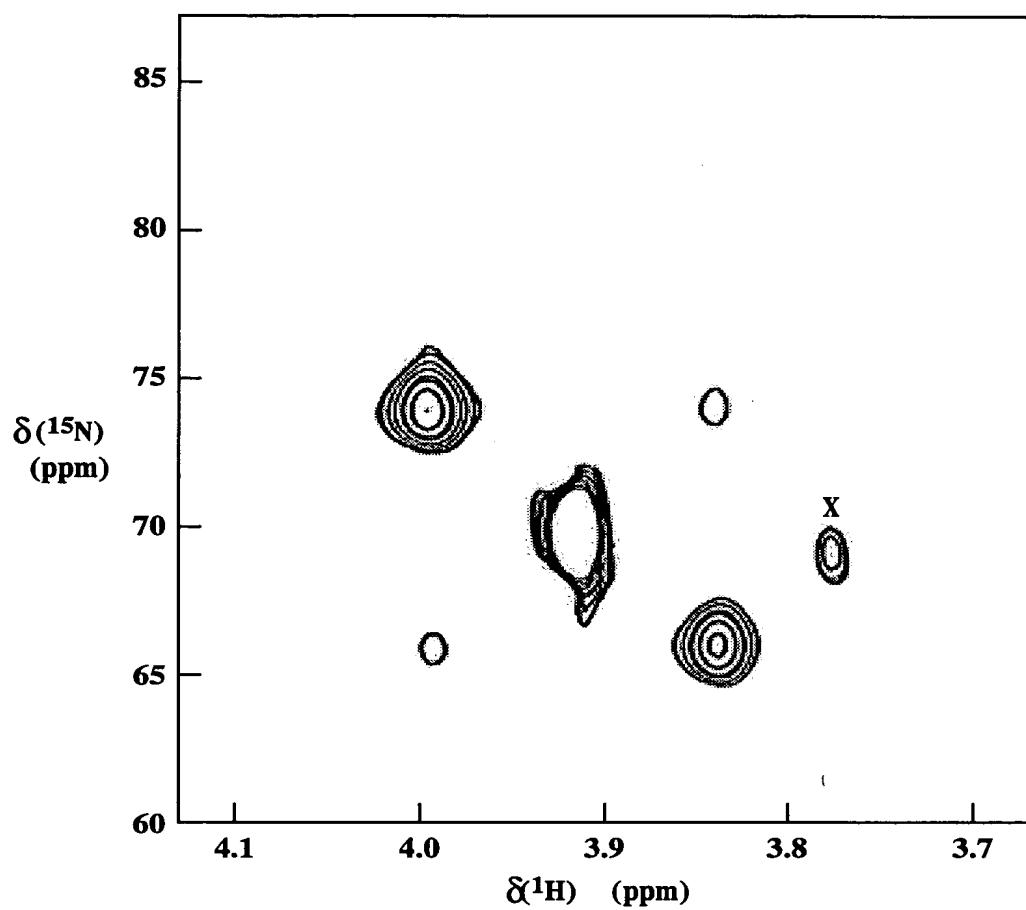
**Fig. 3B**



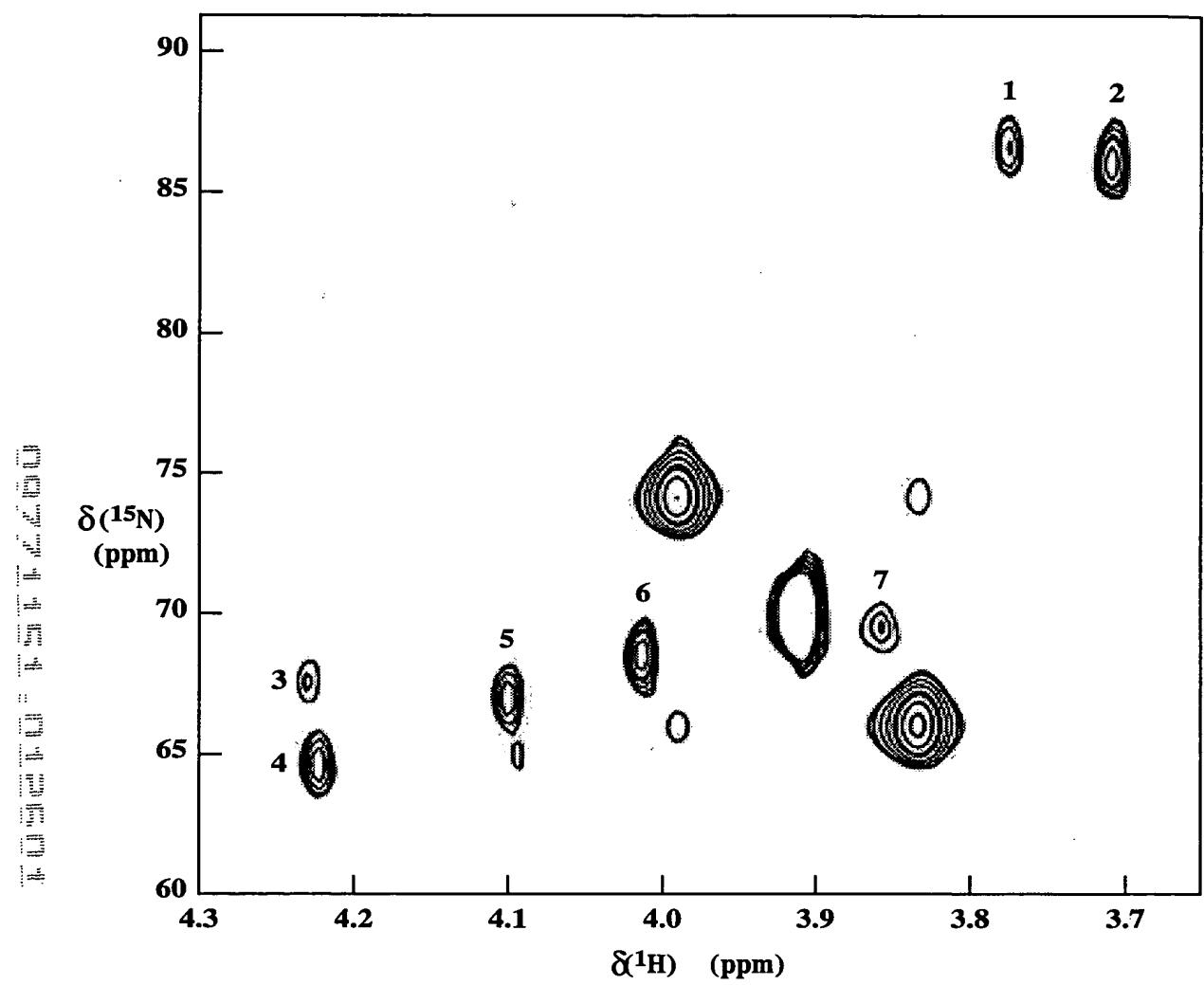
**Fig. 4A**



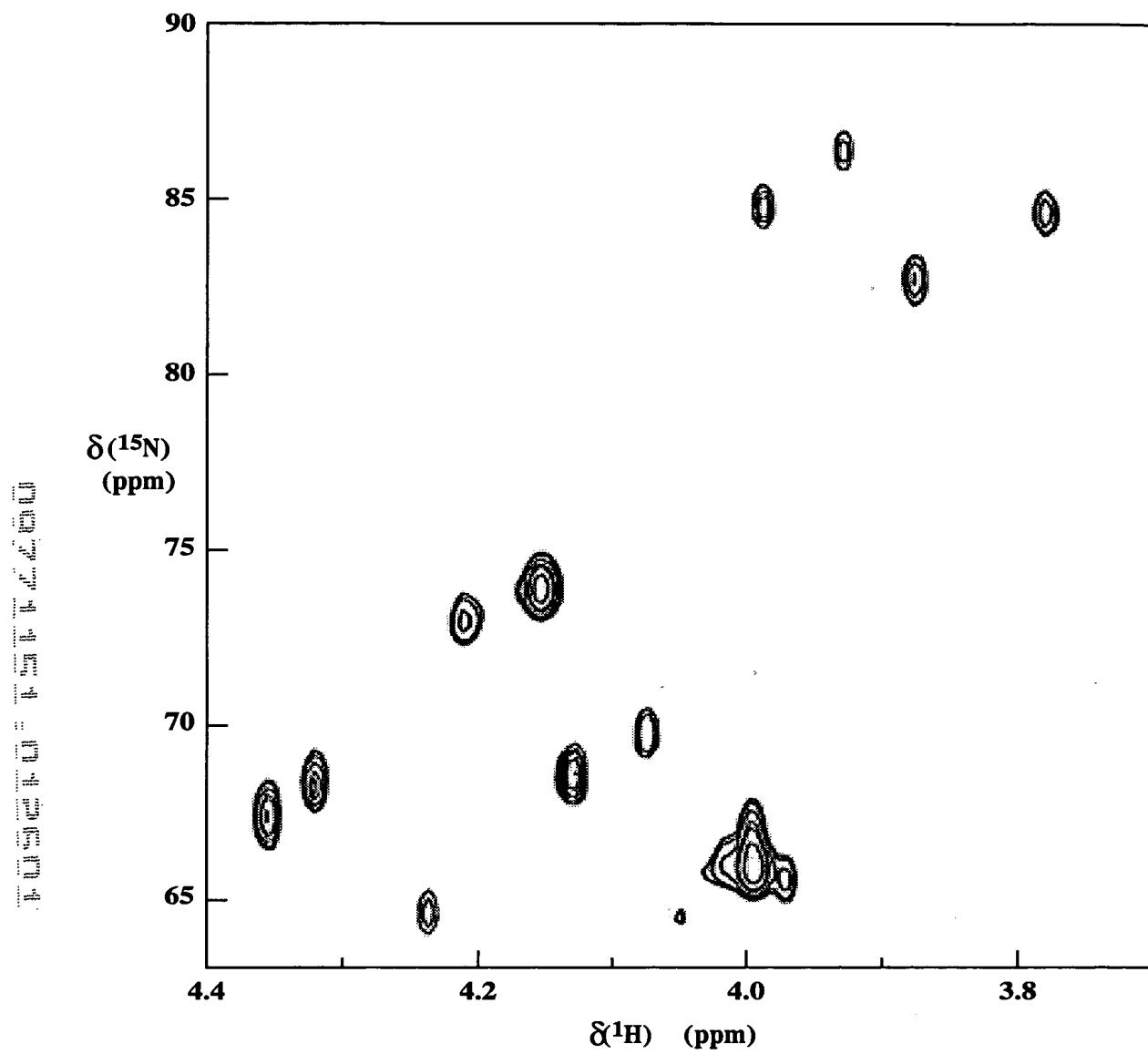
**Fig. 4B**



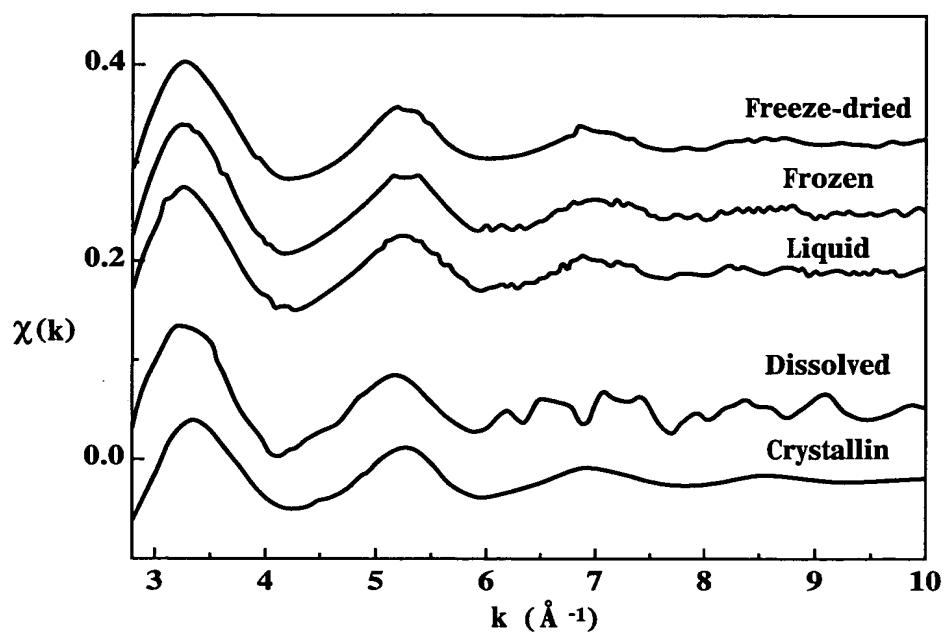
**Fig. 5**



**Fig. 6**

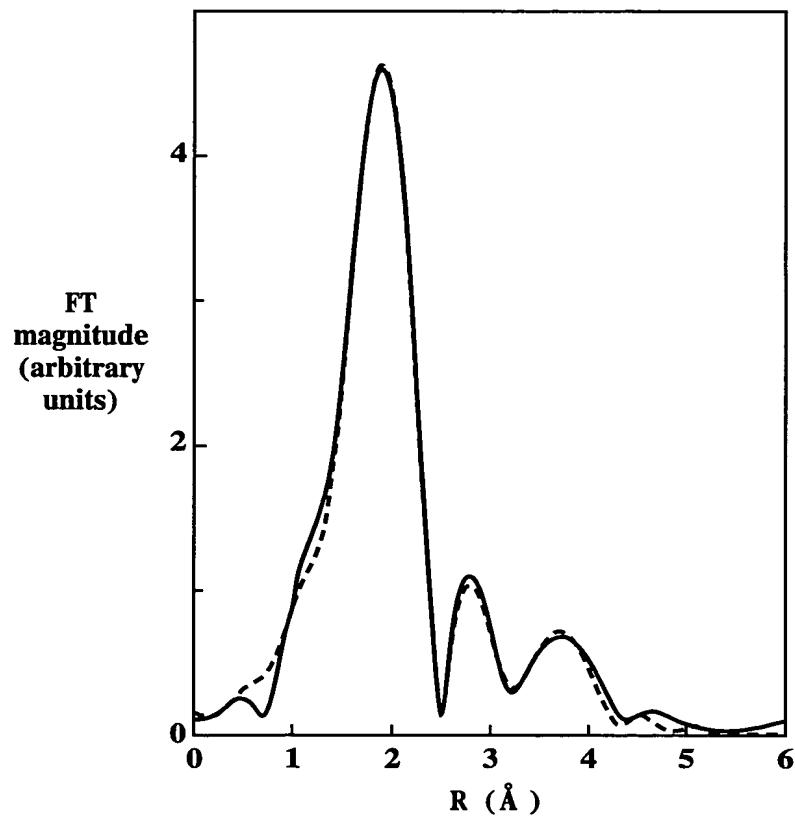


**Fig. 7**



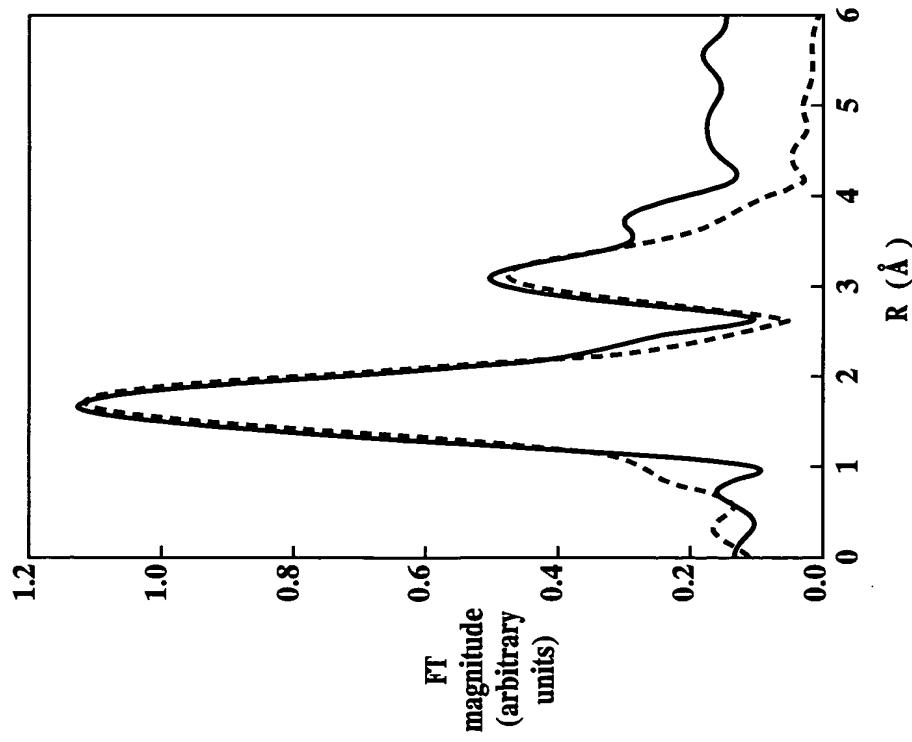
**Fig. 8**

TOP:  $\chi(k)$  vs  $k$  for different states

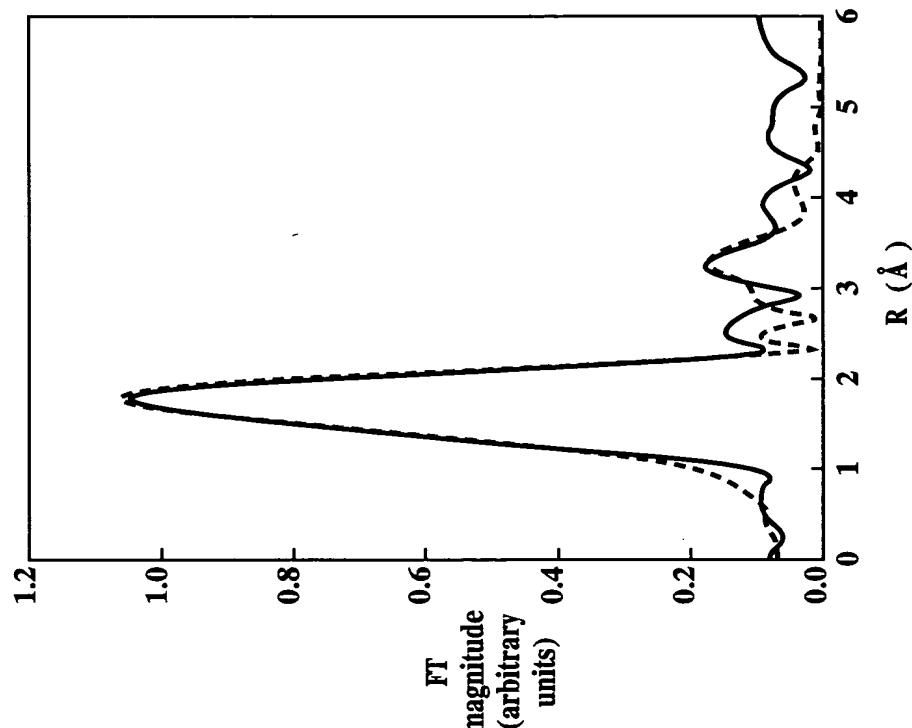


**Fig. 9**

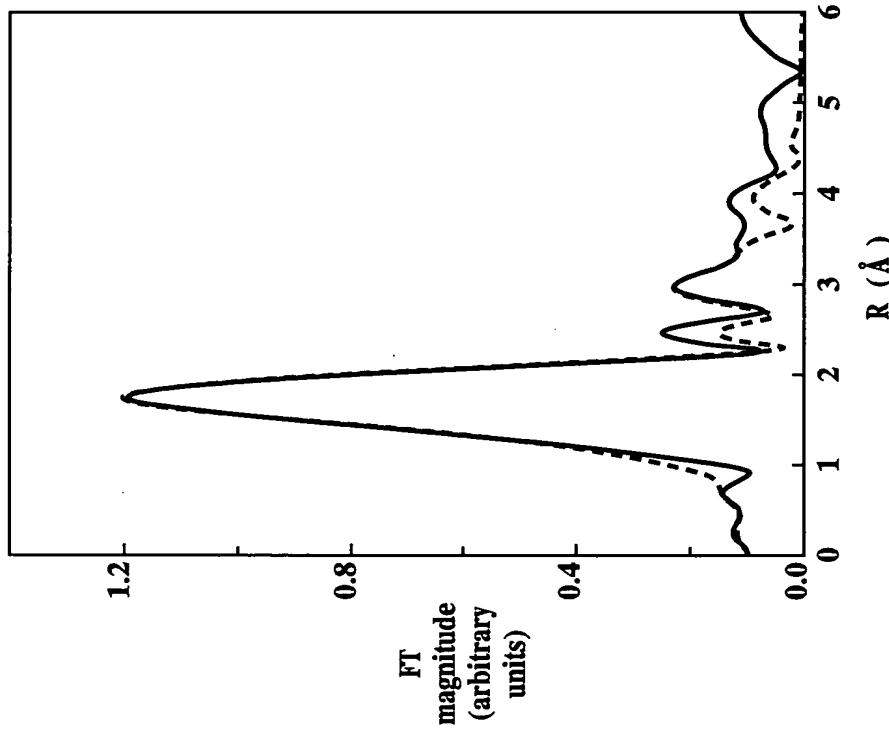
**Fig. 10**



**Fig. 11**



**Fig. 12**



**Fig. 13**

